ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|
| FEE DETERMINATION         | B        |        | 01-06-01 |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | mw       | 52)    | 03-07-01 |  |  |  |  |  |
| FORMALITY REVIEW          | WH       | 869    | 03-16-01 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | sper     | 651    | 5/18/01  |  |  |  |  |  |

## INDEX OF CLAIMS

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
|   | (Through numeral) Canceled | Α   | Appeal       |
|   | Restricted                 | 0   | Objected     |

| Cla      | im<br>Z    | `        | 3                                      | _            |              | Date   | e            |                  |          |           | ٦            | ſ   | Cla      | im       | _              |          |           |                | Date     | ,            |  |          |          |                   | Cu       | aim      | •        |          |          |              | Date         | )            | _  | _               |     | _ |
|----------|------------|----------|--|--------------|--------------|--|--------------|------------------|----------|-----------|--------------|-----|----------|----------|----------------|----------|-----------|----------------|----------|--------------|--|----------|----------|-------------------|----------|----------|----------|----------|----------|--------------|--------------|--------------|--|-----------------|-----|---|
|          | Ongfrail = | 1        | Ź                                      |              |              |  |              |                  | T        | Ţ         |              |     |          | Original |                |          | $\exists$ |                |          | Ţ            | T  |          |          |                   |          | Original |          |          |          |              |              |              |  |                 |     |   |
| Final    | E.         | 2        | 6                                      |              |              |  |              |                  | ļ        | - {       |              | - 1 | Final    |          | ı              |          | - 1       |                | - 1      | - 1          | - 1  | ļ        | - 1      | - 1               | Final    | ě        |          | - 1      | - 1      | - 1          | - 1          | 1            | - 1  | - 1             | - [ |   |
| -        | 8          | H        | -                                      |              | Н            | $\vdash$   | H            | H                | -        |           | ᅱ            | ŀ   | ۲        | 51       | -              | $\dashv$ | ┥         | -+             | $\dashv$ | -+           | -  | Ⅎ        | +        | $\dashv$          | 1        | 101      | 1        | -        | 7        | 1            | 1            | 十            | 7  | ᅥ               | - 1 | _ |
| 듸        | Ď          | Y        | -                                      | L            | _            | Н  | $\vdash$     |                  | $\dashv$ | $\dashv$  |              | ŀ   |          | 52       |                | -        | $\dashv$  | -+             | -        | -            |  |          | $\dashv$ | $\dashv$          | -        | 102      | +        |          | $\neg$   | .            | 1            | _            | -  | 7               | +   | 7 |
| 2        | 2          | A        | =                                      | _            |              | Н  |              | _                |          |           | $\dashv$     | ŀ   | _        | 53       |                | $\dashv$ |           |                | +        | +            | -  | $\dashv$ | $\dashv$ | -                 | $\vdash$ | 103      | $\dashv$ | -1       | -        | -            | ╗            | 7            | -  |                 | -   | - |
| 3        | 3          | ٧        | =                                      | Ш            | _            | Ш  | Щ            |                  | _        | _         | _            | 1   |          |          |                | _        | _         | -              |          | -1           | -  |          | -        | -                 | -        | 104      | Н        | -        | -        | -            | -            | -            | -  | $\dashv$        | -1  | ۳ |
| 2/2      | 0          | ¥        | 3.                                     | _            | ш            | Ш  | Ш            | Ш                | _        |           | 4            | -   | _        | 54       | -              | _        | -         |                | $\dashv$ | +            | -+   | $\dashv$ | -+       |                   | $\vdash$ | 105      | ┝╼┤      | $\dashv$ | Н        |              | ┪            |              | -  | -1              | ᅱ   | - |
| á        | 5          | V        | -                                      |              |              |  | Щ            | Ш                |          | _         | ᆚ            | -   |          | 55       | Ц              | _        | 1         |                | {        | $\dashv$     | -+   | -1       | -        |                   | -        | 106      | Н        |          | -        |              |              | $\dashv$     |  | 1               | ┵   | - |
|          | 6          | У        | 2                                      | 乚            |              |  |              |                  | _        | _         | ᆜ            |     |          | 56       |                | $\perp$  |           |                | -        |              |  | _        | -4       | -                 | $\vdash$ | 107      | $\vdash$ | _        | _        |              | -1           |              | Н  |                 |     | H |
|          | 7          |          | _                                      | 乚            |              |  |              | L                |          | $\Box$    | _            |     | _        | 57       | Ш              | _        | Ц         | _              | _        | _            | _  |          | Н        |                   | -        |          | Н        |          | -        | Н            | $\dashv$     | $\dashv$     | Н  | -4              |     | ŀ |
|          | 8          |          | L                                      | L            |              |  | L.           | _                |          |           | $\Box$       | ļ   |          | 58       |                |          |           | _              | _        | _            | _  | _        | Щ        |                   | $\vdash$ | 108      | _        | _        | Щ        |              |              | -            | щ  | -               | -1  | L |
|          | 9          |          |  |              | L            |  |              |                  |          | $\Box$    | _            | ļ   |          | 59       |                |          | Ц         |                | _        | 4            | _  |          | Ц        | _                 | <u>.</u> | 109      |          | _        | ш        | ш            |              | _            | Н  | ш               |     | L |
|          | 10         |          |  |              |              |  |              |                  |          |           |              |     |          | 60       |                |          | Ш         |                | _        | _            |  |          | Ц        |                   | $\vdash$ | 110      |          |          | - 1      |              |              |              |  | ш               | -1  | Ļ |
|          | 11         |          | Γ                                      | Γ            | П            |  |              |                  |          |           |              | -   |          | 61       |                |          |           |                | 凵        | _            |  |          | Ц        | _                 | $\perp$  | 111      |          |          | L        |              | Ш            | Ш            | Ш  | H               |     | L |
|          | 12         |          |  | Γ.           |              |  |              |                  |          | Π         | ′′           |     |          | 62       |                |          |           |                | l        | _            | 1  |          | Ш        |                   | L        | 112      |          |          | _        |              |              | ш            | انــا  |                 | Щ   | L |
|          | 13         |          | Г                                      |              |              | ·  |              | Г                |          | ٦         | 7            |     |          | 63       |                |          |           |                |          |              |  |          | $\Box$   |                   |          | 113      | _        |          |          | Ŀ            | Ш            |              | Ш  | Ш               | Ш   | L |
|          | 14         | Г        | Ι                                      | П            |              | F  | <u> </u>     | Г                | П        |           | $\neg$       |     |          | 64       |                |          |           |                |          | 1            |  |          | $\Box$   |                   | L        | 114      |          |          |          |              |              |              | $\sqcup$   |                 |     | L |
| _        | 15         | <b>-</b> | Г                                      | 1            |              | Γ_   | Г            | П                |          | $\neg$    | $\neg$       |     | Г        | 65       |                |          |           |                | 一        |              |  |          |          |                   |          | 115      |          |          |          |              |              |              |  |                 |     | ĺ |
|          | 16         | $\vdash$ | Ι                                      | 1            | T            | Г  | -            | T                | П        |           | $\neg$       |     |          | 66       | Γ              |          | П         |                |          |              |  |          |          |                   |          | 116      |          |          | Ĺ        |              |              |              |  |                 |     | ĺ |
|          | 17         | $\vdash$ | $\vdash$                               | <del> </del> | $t^-$        | t  | T            | 1                | Н        | $\exists$ | _            |     | $\Box$   | 67       |                | _        | П         | П              |          | $\neg$       |  |          | П        |                   |          | 117      |          |          |          |              |              |              |  |                 |     | ľ |
|          | 18         | -        | t-                                     | 1            | 1            | <del>                                     </del> | t            | <b>†</b>         | H        |           | $\vdash$     |     | Г        | 68       |                | $\vdash$ | П         |                |          | _            | $\neg$   |          | П        |                   | Γ.       | 118      | 4        |          |          |              | L.           |              |  |                 |     | I |
| _        | 19         | +-       | $\vdash$                               | +-           |              | $^{\dagger}$                                     | t            | <del>  -  </del> |          | Н         | $\dashv$     |     | ┢        | 69       | $\vdash$       | <u> </u> | П         | _              | $\neg$   |              |  | -        | П        | $\Box$            |          | 118      | × .      |          | Г        |              |              | _            | Г  |                 |     | ſ |
|          |            | -        | +-                                     | <del> </del> | $\vdash$     | 1-   | $\vdash$     | +                | Н        | Н         |              |     | -        | 70       | -              | Ι        | Н         |                | Н        | Н            | -  | ┢        | Н        | $\vdash$          | -        | 120      |          |          | Г        | Г            | Г            | Г            |  | Г               | Γ   | Ì |
|          | 20         | -        | ⊢                                      | +            | ├            | ├-   | -            | $\vdash$         |          | _         | Н            |     | $\vdash$ |          | -              | <u> </u> | -         | $\vdash$       | Н        |              | -  | $\vdash$ | H        | H                 | -        | 12       | 1        | Η.       | Η.       | 1            | ⊢            | +-           | <del>                                     </del> | ┢               | H   | ļ |
|          | 21         | ├        | -                                      | +            | ┡            | ↓_   | <del> </del> | -                | $\vdash$ |           | Н            |     | <u> </u> | 71<br>72 | <del> </del> – | $\vdash$ |           | H              | Н        | 1            | Н  | $\vdash$ | ╁╌┤      | H                 | $\vdash$ | 12       |          | $\vdash$ | $\vdash$ | -            | -            | ┰            | <del>  -</del>                                   | ⊢               | H   | ţ |
|          | 22         |          | 1-                                     | 1            | 1            |  | 1-           | <b>⊢</b>         | $\vdash$ | -         | Щ            |     | $\vdash$ | 72       | -              | -        | $\vdash$  | -              | Н        | -            | Щ  | $\vdash$ | $\vdash$ | $\vdash$          | $\vdash$ | 12       |          | ⊢        | +        | 1            | ÷            | -            | <del> </del>                                     | +-              | ┢   | t |
|          | 23         |          | 上                                      | <del> </del> | <b> </b>     | 1_   | <del> </del> | $\vdash$         | ļ        | Щ         | Н            |     |          |          | $\vdash$       | ļ        | -         | $\vdash$       |          |              | -  | -        | $\vdash$ | Н                 | $\vdash$ | 12       |          | -        | +        | 1            | <del> </del> | <del> </del> | +  | +               | ļ-  | ł |
|          | 24         |          | ــــــــــــــــــــــــــــــــــــــ | _            | <del> </del> | Ļ.,  | <b> </b>     | 1                |          |           | Ш            |     | <b>!</b> | 74       | <del> </del> — | $\vdash$ | ۱         | <u> </u>       | Н        | ш            | <u> </u>   | ⊢        | -        | H                 | $\vdash$ | _        | -        | H        | H        | ╁            | ┿            | -            | +-   | +-              | -   | 1 |
|          | 25         |          | L                                      | 1            | 1            | <del> </del> _                                   | <u>↓</u>     | <u> </u>         | $\perp$  | L.        |              |     | <u> </u> | 75       | ⊢-             | ļ        | ⊢         | <u> </u>       | -        | <u> </u>     | <u> </u>   | -        | $\vdash$ | Н                 | -        | 12       |          | -        | 1        | 1            | -            | +            | +-   | +-              | -   | ł |
|          | 26         |          | 1_                                     | ┺            | _            | _  | 1_           | _                | _        | L.        | Щ            |     | ╙        | 76       | ļ.,            | ļ        | -         | <u> </u>       | $\vdash$ | L_           | <u> </u>   | $\vdash$ | ┰        | H                 | <br>     | 12       |          | $\vdash$ | 1-       | ╀-           | +-           | ⊬            | ╁  | <del> </del> −− | -   | ł |
|          | 27         |          | L                                      | L            | 1            | 1  | L            | _                | _        | L         | $\Box$       |     | <u></u>  | 77       | _              | _        | $\vdash$  | 辶              | ļ        |              | <u> </u>   | ļ.,      |          | Н                 | L        | 12       |          | -        | -        | ╄            | -            | -            | +  | 1               | H   | 1 |
|          | 28         |          |  |              | Ĺ            | L  | Ŀ            | 丄                | L        | _         | Ш            |     | ╙        | 78       | _              |          | Ļ.        | <u> </u>       | Ш        | <u></u>      | <u> </u>   | <u> </u> | <u> </u> | Ш                 | L        | 12       |          | 1_       | ļ٠       | ╄            | ╀            | ₩            | +  | ļ.,             | 1   | ļ |
|          | 29         | Г        |  |              |              |  |              |                  |          | Ĺ         |              |     | L        | 79       |                | L        | L         | 1_             | Ш        |              | <u> </u>   | <u></u>  | _        | Ш                 | L        | 12       |          | ļ_       | ┺        | 1            | L            | ↓_           | 1  | ↓               | 1   | 1 |
|          | 30         | 1        | Т                                      | T            | Т            | Γ  | T            | П                | T        | 6         | i T          |     | $\Box$   | 80       |                | Ĺ        | $\Box$    | L              |          | L            |  | L        |          | Ш                 | L        | 13       |          | 上        | 1        | 1_           | 1            | 1            | 1  | 1               | L.  | 1 |
|          | 31         |          | Τ                                      | 1-           | 1            | 1  | Т            | T                |          | Г         |              |     | Г        | 81       | Г              | Γ        | Γ         |                |          | L.           |  | Ĺ        | L        | LJ                |          | 13       |          | L        |          | L            | 1            | 1_           | 1  | 1.              | L   | ا |
|          | 32         |          | 1-                                     | 1-           | T            | T  | T            | T                | E        | _         | П            |     |          | 82       | Г              |          | Γ         |                | Γ        |              |  |          |          |                   |          | 13       | 2        |          | $\Box$   | $\Gamma$     | L            | Ĺ            | L  | L               | ļ., | j |
|          | 33         |          | T                                      | +            | 1            | 1  | $\vdash$     | †                | 1        | Г         | T-           |     | $\vdash$ | 83       |                | 1        |           | П              | Γ        | T            |  | Г        | Г        | П                 |          | 13       | 3        |          | Γ        |              |              | Ĺ            | L  | L               | L   | j |
| -        | 34         | -        | +                                      | ╁            | +            | 1  | +            | 1-               | $\vdash$ | ✝         | _            |     | -        | 84       | _              |          | T         | 1              | Г        | Ι            | Г  |          | 1        | П                 |          | 13       | 4        | Γ        | Т        |              | 1            |              | Γ  | Γ               | Γ   | 1 |
|          | 35         | _        | +-                                     | +-           | t            | +  | +-           | +                | t        |           | 1            | I   | $\vdash$ | 85       |                | 1        | t         | 1-             | ⇈        | Γ.           | Ι  | Т        | T        | $\sqcap$          | r        | 13       | 5        | Т        | Τ        | Τ            | Т            | Γ            | I  | Г               | Г   | 1 |
| -        | 36         |          | ╁                                      | +            | +-           | +-   | ╁            | ┰                | +-       | $\vdash$  | 一            |     | $\vdash$ | 86       |                | ╆        | T         |                | ┰        | $\vdash$     | Т  | T        | 1        | П                 | -        | 13       | 6        | 1        | Τ        | 1            | Т            | Т            | T  | T               | Г   | 1 |
|          | 37         | _        | +                                      | +            | +            | +  | +-           | +                | +        | $\vdash$  | $\vdash$     | l   | $\vdash$ | 87       | +-             | t        | +         | <del>  -</del> | t-       | Н            | <del>                                     </del> | t        | $\top$   | $\vdash$          | $\vdash$ | 13       |          | T        | Τ        | 1            | †            | 1            | 1  | T               | Г   | 1 |
| -        | 38         |          | ╀                                      | +            | +            | ╂  | ┰            | +-               | 1-       | $\vdash$  | 1            | 1   | $\vdash$ | 88       | 1              | +        | ╁~~       | $\vdash$       | 1        | ├            | t-   | t        | +        | H                 | F        | 13       | _        | $\vdash$ | 1-       | +            | T            | t            | +  | 1               | 1   | - |
| -        | 39         |          | ╀                                      | ╁            | +-           | ╀  | ╀            | +                | 1        | ├-        | <del> </del> |     | $\vdash$ | 89       | _              | +-       | $\vdash$  | $\vdash$       | ┼~       | <del> </del> | ╁╌   | +        | ╁        | H                 | <b>-</b> | 13       |          | †-       | $^{+}$   | +-           | T            | †-           | +-   | †               | T   | 1 |
| ۴.       |            | -        | +-                                     | ╁            | +            | +  | +-           | ╀                | +        | ⊢         | ⊢            | 1   | $\vdash$ | 90       |                | +        | +-        | ╁              | +        | ├-           | 1  | +        | +        | +                 | H        | 14       | _        | +        | +        | ╅            | †-           | 1            | 十  | +               | +   | 1 |
| _        | 40         |          | ╄.                                     | 4.           | 4_           | 1  | 1            | ↓_               | 1        |           | <del> </del> | l   | $\vdash$ |          |                | +-       | ╀         | 1              | -        | $\vdash$     | ├-   | +        | +-       | H                 | -        | 14       |          | +-       | +        | +            | +            | +-           | +  | +               | +   | 4 |
|          | 41         |          | L                                      | _            | 1            | $\perp$  | $\perp$      | 1_               | 1_       | L         | 1_           | 1   | L        | 91       | 1              | 1        | ╄         | Ļ              | <b>!</b> | <b>!</b>     | Ļ  | 1        | 1_       | $\vdash$          | -        |          |          | 1-       | ╀        | 1-           | +            | +-           | +-   | +-              | +   | 4 |
|          | 42         |          | L                                      | L            | Ĺ            | $\perp$  |              | $\perp$          | <u> </u> | L         |              | 1   | L        | 92       |                | $\perp$  | <u> </u>  | ┺              | L        | 1_           | 1  | ╀        | 1_       | 11                | L        | 14       |          | 1        | +        | +            | +            | ╀            | +  | ╀               | +   | _ |
|          | 43         | 3        |  |              |              |  |              |                  | Ĺ        | Ĺ         | L            | ]   | L        | 93       |                | $\perp$  | 1         | _              | _        | L_           | 上  | ┖        | _        | H                 | L        | 14       |          | 1.       | 4        | 4            | 1            | 4            | 4  | 4               | 1   | 4 |
|          | 44         | 1        | T                                      | T            |              |  | 1            | Г                | Γ        |           | 1.           | )   |          | 94       |                | 1        | $\perp$   | L              | L        | L            | L  | L        | L        | Ш                 | L        | 14       |          | 丄        | $\perp$  | 1            | 1            | 1            | 1  | 1               | L   |   |
| Т        | 45         |          | 1                                      | $\top$       | 1            | 1  | Ť            | 1                | T        | 1         | T            | 1   |          | 95       | 5              | Π        |           |                | Γ        |              |  | $\Gamma$ |          | П                 |          | 14       |          | L        | L        |              | L            | L            | $\perp$  | L               | L   | _ |
| Ι-       | 46         |          | +-                                     | ✝            | T            | T  | 1            | 1                | 1        | T         | T            | 1   | Г        | 96       | 1              | Т        | 1         | Т              | Т        | Π            |  |          |          | П                 | Γ        | 14       | 6        |          | I        | $\mathbf{L}$ | $\Gamma$     | $\perp$      | $\perp$  |                 | 1   |   |
| ┢        | 47         |          | +-                                     | +            | +            | +  | +            | $\dagger$        | +        | +-        | T            | 1   | $\vdash$ | 97       |                | 1        | 1         | 1              | 1        | Т            | T  | T        | Τ        | П                 | Г        | 14       | 17       | Т        | Т        | T            | Т            | Т            | Τ  | Τ               | T   |   |
| ⊢        | 48         | _        | ┿                                      | +-           | ╁╴           | +  | +            | ╁                | ╁        | ╁╌        | +            | 1   | $\vdash$ | 98       |                | +        | +-        | 十              | 1        | 1-           | 1  | T        | +-       | $\dagger \exists$ | T        | 7        | 8        | 1        | 1        | 1            | T            | T            | Τ  | Т               | Т   | - |
| $\vdash$ | 45         |          | +-                                     | +            | +-           | +  | +-           | +                | +-       | ╁         | +-           | 1   | $\vdash$ | 99       |                | +-       | +         | +              | ✝        | 1-           | ✝  | ٢        | +-       | オ┸                | - 1      | 11       | _        | †        | ╈        | +            | 十            | 1            | +  | T               | T   | - |
| ŧ        | 195        | ; -      |  |              | 1            |  |              | _                |          | 1_        |              |     | $\perp$  | 10       |                | 1        |           | 1_             | 4-       | 4-           | ╙  | _        | -        | ↤                 | <b>j</b> | he       |          | +-       | +        | -            | -            | -            | +-   | +-              | +   | - |

If more than 150 claims or 10 actions staple additional sheet here

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